

CLAIMS:

*sub. a2*

1. An alarm system comprising a cable between an alarm panel and an event sensor, the cable comprising two conductors, and circuitry associated with said conductors for providing current to the event sensor and detecting changes in said current to indicate tampering at the sensor, severing of the cable and/or an event detected by the sensor.
- 10 2. The alarm system of Claim 1 wherein said circuitry is located in a housing from which the two-conductor cable extends and providing a short six-conductor cable for connection to an existing alarm control panel.
- 15 3. The alarm system of Claim 2 wherein shorting of the cable provides a maximum current state, an event detection by the sensor provides a medium current state, normal operating conditions provide a low current state, a severed cable or tampering with the event sensor provides a very low or no current state in said conductors, and said circuitry reacts to the current state of the conductors to provide appropriate conditions to each conductor of said six-conductor cable for recognition by said alarm control panel.